## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/57	5, 8	29	
Source:	1	WO	,	
Date Processed by STIC:		<u>/22</u>	/07	
		, ,	,	

## ENTERED



**IFWO** 

RAW SEQUENCE LISTING DATE: 02/22/2007
PATENT APPLICATION: US/10/575,829 TIME: 13:42:25

```
3 <110> APPLICANT: Roche Molecular Systems
     5 <120> TITLE OF INVENTION: Method for Distinguishing Immunologically Defined ALL
Subtype
     7 <130> FILE REFERENCE: 22328-US
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/575,829
C--> 10 <141> CURRENT FILING DATE: 2006-04-14
                                                            su p.b
    12 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/012459
    13 <151> PRIOR FILING DATE: 2003-11-04
    15 <160> NUMBER OF SEQ ID NOS: 239
    17 <170> SOFTWARE: PatentIn version 3.4
    19 <210> SEQ ID NO: 1
    20 <211> LENGTH: 491
    21 <212> TYPE: DNA
    22 <213> ORGANISM: Homo sapiens
    25 <220> FEATURE:
    26 <221> NAME/KEY: misc_feature_
    27 <223> OTHER INFORMATION: n = any nucleotide 0
    29 <400> SEQUENCE: 1
    30 gaagcccaaa aactcttgga gcaatataag gaagaaagca aaaaggctct tccaccagaa
     32 aaqaaacaqa acactqqctc aaagaaaagc aataaaaata agagtggcaa gaaccagttt
                                                                             120
    34 aacagaggtg gtggccatag aggacgtgga ggattcaata tgcgtggtgg aaatttcaga
                                                                             180
                                                                             240
     36 ggaggagece etgggaateg tggeggatat aataggaggg geaacatgee acagagaggt
    38 ggtggcggtg gaggaagtgg tggaatcggc tatccatacc ctcgtgcccc tgtttttcct
                                                                             300
    40 ggccgtggta gttactcaaa cagagggaac tacaacagag gtggaatgcc caacagaggg
                                                                             360
    42 aactacaacc agaacttcag aggacgagga aacaatcgtg gctacaaaaa tcaatctcag
                                                                             420
    44 ggctacaacc agtggcagca gggtcaattc tggggtcaga agccatggag tcagcattat
                                                                             480
                                                                             491
     46 caccaaggat a
     49 <210> SEQ ID NO: 2
     50 <211> LENGTH: 307
     51 <212> TYPE: DNA
    52 <213> ORGANISM: Homo sapiens
     54 <400> SEQUENCE: 2
                                                                              60
     55 gaatteteea aaacaatttt etgeaggatg attgtacaga ateattgett atgacatgat
                                                                             120
     57 cgctttctac actgtattac ataaataaat taaataaaat aaccccgggc aagacttttc
     59 tttgaaggat gactacagac attaaataat cgaagtaatt ttgggtgggg agaagaggca
                                                                             180
     61 gattcaattt totttaacca gtotgaagtt toatttatga tacaaaagaa gatgaaaatg
                                                                             240
     63 gaagtggcaa tataagggga tgaggaaggc atgcctggac aaacccttct tttaagatgt
                                                                             300
                                                                             307
     65 gtcttca
     68 <210> SEQ ID NO: 3
     69 <211> LENGTH: 519
     70 <212> TYPE: DNA
     71 <213> ORGANISM: Homo sapiens
     73 <400> SEQUENCE: 3
                                                                               60
     74 gtttggaact ttaatagcgt tgcaacgaaa tcctatatcc agtttcctgt aatttaattg
```

76 aagaaaaata catccaaata aagactttat tattaacaga ccagatagca tcagaaatca	120
78 tgtgactgtt atgattatca gaatatgtct taacttttta gggcaaagtt aacactgaaa	180
80 gttctagctt aagtgttgaa acttttgtgg gaaaaaaaaa tcacttttga aactcagact	240
82 tcagtgtata cccaataatt taaaattatg tgaaatgttt taaatttgtg aactcgtaat	300
84 tactgtttta atgattcagt ttcttcagag tggtaattgt ataaaattgc tattgcagct	360
86 ttatattcaa tatgatgtgc ctgtaaacca aggagttttc cccgtttgta aaaagacatt	420
88 gtagataatt gaatgtttga ttttagaaag gtcattagtt tcttqttaca cattttgtta	480
88 gtagataatt gaatgeetga teetagaaag geeattaget teetagetaa aattaget	519
90 gtetggtttt tgttgettat egggtttaat attgttett	717
93 <210> SEQ ID NO: 4	
94 <211> LENGTH: 140	
95 <212> TYPE: DNA	
96 <213> ORGANISM: Homo sapiens	
98 <400> SEQUENCE: 4	
99 ctacctatcc tgaatggtct gtcattgtct gcctttaaaa tccttcctct ttcttcctcc	60
101 tctattctct aaataatgat ggggctaagt tatacccaaa gctcacttta caaaatattt	120
103 cctcagtact ttgcagaaaa	140
106 <210> SEQ ID NO: 5	
107 <211> LENGTH: 425	
108 <212> TYPE: DNA	<b></b>
109 <213> ORGANISM: Homo sapiens	
111 <400> SEQUENCE: 5	
112 gtcatatcat ttcactgtct aggctacaac aggattctag gtggaggttg tgcatgttgt	60
114 cctttttatc tgatctgtga ttaaagcagt aatattttaa gatggactgg gaaaaacatc	120
116 aactcctgaa gttagaaata agaatggttt gtaaaatcca cagctatatc ctgatgctgg	180
118 atggtattaa tottgtgtag tottcaactg gttagtgtga aatagttotg coacctotga	240
120 cgcaccactg ccaatgctgt acgtactgca tttgcccctt gagccaggtg gatgtttacc	300
122 gtgtgttata taacttcctg gctccttcac tgaacatgcc tagtccaaca ttttttccca	360
124 gtgagtcaca tcctgggatc cagtgtataa atccaatatc atgtcttgtg cataattctt	420
126 ccaaa	425
129 <210> SEO ID NO: 6	
130 <211> LENGTH: 454	
131 <212> TYPE: DNA	
132 <213 > ORGANISM: Homo sapiens	
134 <400> SEQUENCE: 6	60
135 caagetatgg aataceetgg gtgtgtgeaa atacaetgte caggatgaga gecaeteaga	120
137 gtgggtgtct tgtgtccgct tctcgcccaa cagcagcaac cctatcatcg tctcctgtgg	180
139 ctgggacaag ctggtcaagg tatggaacct ggctaactgc aagctgaaga ccaaccacat	240
141 tggccacaca ggctatctga acacggtgac tgtctctcca gatggatccc tctgtgcttc	300
143 tggaggcaag gatggccagg ccatgttatg ggatctcaac gaaggcaaac acctttacac	
145 gctagatggt ggggacatca tcaacgccct gtgcttcagc cctaaccgct actggctgtg	360
147 tgctgccaca ggccccagca tcaagatctg ggatttagag ggaaagatca ttgtagatga	420
149 actgaagcaa gaagttatca gtaccagcag caag	454
152 <210> SEQ ID NO: 7	
153 <211> LENGTH: 373	
154 <212> TYPE: DNA	
155 <213> ORGANISM: Homo sapiens	
157 <400> SEQUENCE: 7	
158 atcagggtat ttgttccacc ttggccaggc ctcctcggag aagcttgtcc cccgtgtggg	60
160 agggacggag ccggactgga catggtcact cagtaccgcc tgcagtgtcg ccatgactga	120

```
162 tcatggctct tgcatttttg ggtaaatgga gacttccgga tcctgtcagg gtgtccccca
                                                                              180
164 tgcctggaag aggagctggt ggctgccagc cctggcggcg gcacagcctg ggcctcccct
                                                                              240
166 teceteaage cagggetest ceteetgteg tgggeteatt tgecaggete aggecaggte
                                                                              300
168 tggacagctg tgactctcct caagccagga ctaccgacca gccggctatg ggcacattac
                                                                              360
                                                                              373
170 gtgaccactg gcc
173 <210> SEQ ID NO: 8
174 <211> LENGTH: 494
                                                                                   e significación.
La companyación de la companyación
175 <212> TYPE: DNA
176 <213> ORGANISM: Homo sapiens
178 <400> SEQUENCE: 8
                                                                               60
179 agtqccqaca ggacggtcat tgattacaac ggggaacgca cgctggatgg ttttaagaaa
                                                                              120
181 ttcctaqaga gcggtggcca agatggggca ggggatgttg acgacctcga ggacctcgaa
183 gaagcagagg agccagacat ggaggaagac gatgaccaga aagctgtgaa agatgaactg
                                                                              180
185 taatacgcaa agccggaccc gggcgctgcc gagacccctc gggggctgca cacccagcag
                                                                              240
187 cagcgcacgc ctccgaagcc tgcggcctcg cttgaaggag ggcgtcgccg gaaacccaag
                                                                              300
189 qaacctctct qaagtgacac ctcaccccta cacaccgtcc gttcaccccc gtctcttcct
                                                                              360
191 tctgcttttc ggtttttgga aaacccggat cctactctag gcagcccacc ttggtgggct
                                                                              420
193 tgtttcctga aaccatgatg tactttttca tacatgagtc tgtccagagt gcttgctacc
                                                                              480
                                                                              494...
195 gtgtteggag tete
198 <210> SEQ ID NO: 9
199 <211> LENGTH: 434
200 <212> TYPE: DNA
201 <213 > ORGANISM: Homo sapiens
203 <400> SEQUENCE: 9
204 cctacttcgg tatctatgac actgcaaagg gaatgcttcc ggatcccaag aacactcaca
                                                                               60
206 togtoatcag otggatgato goacagactg toactgotgt tgccgggttg acttoctato
                                                                              120
                                                                              180
208 catttgacac cgttcgccgc cgcatgatga tgcagtcagg gcgcaaagga actgacatca
210 tgtacacagg cacgcttgac tgctggcgga agattgctcg tgatgaagga ggcaaagctt
                                                                              240
                                                                              300
212 ttttcaaggg tgcatggtcc aatgttctca gaggcatggg tggtgctttt gtgcttgtct
214 tgtatgatga aatcaagaag tacacataag ttatttccta ggatttttcc ccctgtgaac
                                                                              360
                                                                              420
 216 aggcatgttg tattctataa cacaatcttg agcattcttg acagactcct ggctgtcagt
                                                                              434
218 ttctcaqtqq caac
221 <210> SEQ ID NO: 10
222 <211> LENGTH: 416
 223 <212> TYPE: DNA
 224 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 10
                                                                               60
 227 gttggttcaa acttttggga gcacggactg tcagttctct gggaagtggt cagcgcatcc
229 tgcagggctt ctcctcctct gtcttttgga gaaccagggc tcttctcagg ggctctaggg
231 actgccaggc tgtttcagcc aggaaggcca aaatcaagag tgagatgtag aaagttgtaa
                                                                              180
233 aatagaaaaa gtggagttgg tgaatcggtt gttctttcct cacatttgga tgattgtcat
                                                                              240
                                                                              300
 235 aaggttttta gcatgttcct ccttttcttc accctcccct ttgttcttct attaatcaag
237 agaaacttca aagttaatgg gatggtcgga tctcacaggc tgagaactcg ttcacctcca
                                                                              360
239 agcatttcat gaaaaagctg cttcttatta atcatacaaa ctctcaccat gatgtg
                                                                              416
 242 <210> SEQ ID NO: 11
 243 <211> LENGTH: 415
 244 <212> TYPE: DNA
 245 <213> ORGANISM: Homo sapiens
 247 <400> SEQUENCE: 11
```

248	accccttgtg aagcccaaga tcgtcaaaaa	gagaaccaag	aagttcatcc	ggcaccagtc	60
	agaccgatat gtcaaaatta agcgtaactg				120
	tcgtagaaga ttcaagggcc agatcttgat				180
	aacaaagcac atgctgccca gtggcttccg				240
	ggaagtgctg ctgatgtgca acaaatctta				300
	caagaaccgc aaagccatcg tggaaagagc				360
	caatgccagg ctgcgcagtg aagaaaatga				415
	<210> SEQ ID NO: 12	5 55 5	3 3 . , 12	The second second	
	<211> LENGTH: 423				
265	<212> TYPE: DNA			•	
	<213> ORGANISM: Homo sapiens				
	<400> SEQUENCE: 12				
	aataatttat tcccacatct acatcagtga	aagctatcta	cctatcctga	gtctatctta	60
	aaggaaaaaa agaaaaaaac cttatctctt				120
	taatttgttt taagctcctg ttggaaaaaa				180
	acgettttaa aataagacaa atetaettga				240
	taaaaccaat aaatttgtgt tactgcagta				300
	atatatgcaa agtaggcaac tgttttctta				360
	cagtagaaac aaaagtaggc tacagtctgt				420
	ttt	** *** **			423
286	<210> SEQ ID NO: 13				
287	<211> LENGTH: 358	·			
288	<212> TYPE: DNA				
289	<213> ORGANISM: Homo sapiens				
291	<400> SEQUENCE: 13				
292	tgcttctgga cacctgggac caggtctttg	tctgggttgg	aaaggattct	caagaagaag	60
	aaaagacaga agccttgact tctgctaagc				120
296	atcggcggac gcccatcacc gtggtgaagc	aaggctttga	gcctccctcc	tttgtgggct	180
	ggttccttgg ctgggatgat gattactggt				240
	agctggctgc ctgaggaggg gcagggccca				300
	tgtccttccc tcaaagaggc cttagagcga	gcagagcagc	tctgctatga	gtgtgtgt	358
	<210> SEQ ID NO: 14				
	<211> LENGTH: 529				
	<212> TYPE: DNA				•
	<213> ORGANISM: Homo sapiens				
	<400> SEQUENCE: 14		<del></del>		<b>C</b> 0
	cgtagtccag accatcctat actgtgactt				60 120
	gggaaagaag ctcagtttgc cagcataagt				180
315	agggtgctcg gacagaattc ttaccacago	aaaggcataa	gatgettgat	acygaaaatc	240
317	agaaacttaa ctcttttgtt gcagatagtc	atcagugget	cigidadadc	gcagaggaaa	300
	agagccagaa ggtttctgtt taatgcatct				360
321	agatttttt acacaaagaa acttaatgct	grarraataa	accoagigig	tttttattt	420
323	tgggatagtt ccaaaagtga agattttgtg	ayyaataagt	godadittit	tacttacaca	480
	aaaaaattct ttgaaactct taagtctttg			coccigacay	529
	ttgatagatt atgtattctt ccatccctca	additycatt	CCaccacac		343
	<210> SEQ ID NO: 15				
	<211> LENGTH: 529 <212> TYPE: DNA				
	<pre>&lt;212&gt; TIPE: DNA &lt;213&gt; ORGANISM: Homo sapiens</pre>				
223	(213) ORGANISM. HOMO Sapicils				

	<400> SEQUENCE: 15	
	tccgctttgt ggccacatgg tgtcagatga at	
	ggctgcccga atttgtgcca ataagtacat gg	
340	tatccgggtg cggctccacc ccttccacgt ca	teegeate aacaagatgt tgteetgtge 180
342	tggggctgac aggctccaaa caggcatgcg ag	gtgccttt ggaaagcccc agggcactgt 240
344	ggccagggtt cacattggcc aagttatcat gt	ccatccgc accaagctgc agaacaagga 300
346	gcatgtgatt gaggccctgc gcagggccaa gt	tcaaqttt cctggccgcc agaagatcca 360
348	catctcaaag aagtggggct tcaccaagtt ca	atgctgat gaatttgaag acatggtggc 420
350	tgaaaagcgg ctcatcccag atggctgtgg gg	tcaagtac atccccagtc gtggccctct 480
	ggacaagtgg cgggccctgc actcatgagg gc	ttccaatg tgctgcccc 529
	<210> SEQ ID NO: 16	
356	<211> LENGTH: 393	
	<212> TYPE: DNA	
358	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 16	
361	aacactcttg tggtcaagaa atctgatgtg ga	ggcaatct tttcgaagta tggcaaaatt 60
363	gtgggctgct ctgttcataa gggctttgcc tt	cgttcagt atgttaatga gagaaatgcc 120
365	cgggctgctg tagcaggaga ggatggcaga at	gattgctg gccaggtttt agatattaac 180
36.7	ctggctgcag.agccaaaagt gaaccgagga aa	agcaggtg tgaaacgate tgcagcggag 240
369	atgtacggct cctcttttga cttggactat ga	ctttcaac gggactatta tgataggatg 300°
371	tacagttacc cagcacgtgt acctcctcct co	tectattg etegggetgt agtgeeeteg 360
373	aaacgtcagc gtgtatcagg aaacacttca cg	a 393
376	<210> SEQ ID NO: 17	
377	<211> LENGTH: 496	•
378	<212> TYPE: DNA	
379	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 17	
	taggtatatc ctttggtctt ccacagtcat gt	
	gccaggtata atgtaacttc accccagcct tt	
386	cttttaagtt tagccccaat atagggtaat gg	aaatttcc tgccctctgg gttccccatt 180
388	tttactatta agaagaccag tgataattta at	aatgccac caactctggc ttagttaagt 240
390	gagagtgtga actgtgtggc aagagagcct ca	cacctcac taggtgcaga gagcccaggc 300
392	cttatgttaa aatcatgcac ttgaaaagca aa	ccttaatc tgcaaagaca gcagcaagca 360
394	ttatacggtc atcttgaatg atccctttga as	tttttttt ttgtttgttt gtttaaatca 420
	agcctgaggc tggtgaacag tagctacaca co	catattgt gtgttctgtg aatgctagct 480
	ctcttgaatt tggata	496
	<210> SEQ ID NO: 18	
	<211> LENGTH: 534	
	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 18	
	aggtgcagaa tctcggcggg gagcttgttg to	
409	tccaggcagc caagaacttg atgaatgctg to	gtgcagac agtgaaggca tcctacgtcg 120
411	cctctaccaa ataccaaaag tcacagggta to	getteet caacetteet getgtgteat 180
413	ggaagatgaa ggcaccagag aaaaagccat to	gtgaagag agagaaacag gatgagacac 240
415	agaccaagat taaacgggca tctcagaaga ag	gcacgtgaa cccggtgcag gccctcagcg 300
417	agttcaaagc tatggacagc atctaagtct go	eccaggeeg geegeeecca eccetegggg 360
419	ctcctgaata tcagtcactg ttcgtcactc as	atgaattt gctaaataca acactgatac 420
421	tagattccac agggaaatgg gcagactgaa co	agtccagg tggtgaattt tccaagaaca 480

FYI

Input Set: E:\22328 Sequence Listing.txt
Output Set: N:\CRF4\02222007\J575829.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:26; N Pos. 174,389
Seq#:32; N Pos. 36
                                                                                                                                                                                                                                                                                                           in the property of the second 
Seq#:33; N Pos. 105,112,127,141
Seq#:40; N Pos. 35
Seq#:55; N Pos. 34,104,141,152,174,177,197,202,204,206,232,235,244,271,303
Seq#:55; N Pos. 312,315,349,354,384,389,400,407,415,423,499
Seq#:72; N Pos. 37,177
Seq#:86; N Pos. 297,298
Seq#:96; N Pos. 321,322
Seg#:122; N Pos. 231
Seq#:124; N Pos. 287
Seq#:156; N Pos. 277
Seg#:160; N Pos. 76
Seq#:163; N Pos. 66
Seq#:165; N Pos. 190,191,192,194,195,196,197,198,199,200,308
Seq#:191; N Pos. 182,475,514,515
Seg#:209; N Pos. 148
Seq#:216; N Pos. 57,58,59,183,303,305,316,389,404
```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/575,829

DATE: 02/22/2007

TIME: 13:42:26

Input Set : E:\22328 Sequence Listing.txt
Output Set: N:\CRF4\02222007\J575829.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:120 L:613 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:360 L:743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0 L:774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:60 L:776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:120 : L: 935 M: 341 W: (46) "n" or "Xaa" used, for SEQ ID#: 40 after post: 0 L:1294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0 L:1296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:60 L:1298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:120 L:1300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:180 L:1302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:240 L:1304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:300 L:1306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:360 L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:420 L:1310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:480 L:1683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0 ...L:1687 M:341 W: (46) "n" or "Xaa" used, for SEQ\_ID#:72 after pos.:120 I::2001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:240 L:2239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:300 L:2835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:180 L:2893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:240 L:3643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:240 L:3743 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:60 L:3824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:60 L:3880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:180 L:3884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:300 L:4502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:180 L:4510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:420 L:4512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:191 after pos.:480 L:4946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:209 after pos.:120 L:5123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:0 L:5129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:180 L:5133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:300 L:5135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:216 after pos.:360